⚠ **WARNING**

Ticket ID: 34425 — 11:10
Ticket ID: 34425 — 11:23
Ticket ID: 34425 — 11:54
Ticket ID: 34425 — 14:03

Axess
SMART GUARD

→ **ENGLISH**

AXESS

Axess SMART GUARD
Fraud Detection

Axess **SMART GUARD** is our smart fraud detection module that supports ski resorts du ring winter operation in detecting and sanctioning fraudulent use of ski passes.

The module uses a machine learning algorithm to automatically compare and sort photo data showing guests passing through gates. The **SMART GUARD** compares the photos taking into account patterns, colors, shapes etc. Unique, biometric characteristics from a person are not taken into consideration. The algorithm calculates a similarity score and the module can actively alert the operator regarding suspicious cases as well as provide a sorted list of potential cases of fraud starting with the most likely cases.

According to the sorted list of potential frauds, the operator only needs to check a fraction of the photos to detect the majority of fraud cases. Then, the operator can take necessary steps to clarify the situation and take actions, e.g. ticket blocking.

Features

› Automatic comparison of entry pictures taken by AXS00 Gate Camera NG

› Photos automatically sorted by similarity score; final decision taken by operator

› Possibility to filter candidate list to focus on specific tickets

› Transparency: list of results of confirmed cases and information on who took which decision; results serve as evidence for clarification of confirmed fraud cases

› Guest stays anonymous; no person data is stored in the cloud

› Photos are automatically deleted after configured period of time or can be deleted manually

› 2 ways of use: Backoffice checks via SMART GUARD, live control via LANE CONTROL MONITOR

Axess SMART GUARD

Ticket ID	35	!
Ticket ID	13	☑
Ticket ID	56	☑

Microsoft Azure Cloud Environment

AX500 Gate Camera NG

AX500 Smart Gate

Axess LANE CONTROL MONITOR

Axess DATACENTER